

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

EXPRESS MAIL LABEL NO.: EV 464 236 610 US

September 29, 2004

10/509903

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

D108 Rec'd PCT/PTO 29 SEP 2004

ATTORNEY'S DOCKET NUMBER: Ace Case 11

U.S. APPLICATION NO.

Confirmation No.: Unknown

(If known, see 37 CFR 1.5): Unknown

INTERNATIONAL APPLICATION NO.: PCT/JP02/03921 INTERNATIONAL FILING DATE: April 19, 2002

PRIORITY DATE CLAIMED: April 19, 2002

TITLE OF INVENTION: STEADY-STATE DETONATION COMBUSTOR AND
STEADY-STATE DETONATION WAVE GENERATING METHOD

APPLICANT FOR DO/EO/US: Jiro KASAHARA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
 - Amendment Before First Office Action and Transmittal therefor
 - Title Page of WIPO Document WO 03/089773 A1 (2 sheets)
 - Form PCT/IB/301 – Notification of Receipt of Record Copy
 - Form PCT/IB/308 – Notice Informing Applicant of Communication of International Application to Designated Offices
 - Form PCT/IB/332 – Information Concerning Elected Offices Notified of Their Election
 - Formal Drawings (7 sheets)
 - Postal Card

U.S. APPLICATION NO.¹
(if known, see 37 CFR 1.5):
Unknown

INTERNATIONAL APPLICATION NO.:
PCT/JP02/03921

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21. [X] The following fees are submitted:

Calculations PTO USE ONLY

BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$1080.00
International preliminary examination fee (37CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$ 920.00
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$ 770.00
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$ 730.00
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)	\$ 100.00
ENTER APPROPRIATE BASIC FEE AMOUNT =	\$920.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	16 - 20 =	0	X \$ 18.00	\$
Ind. claims	2 - 3 =	0	X \$ 86.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$
TOTAL OF ABOVE CALCULATIONS =				\$920.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

- \$460.00

SUBTOTAL

= \$460.00

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

+ \$

TOTAL NATIONAL FEE

= \$460.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property

+ \$

TOTAL FEES ENCLOSED

= \$460.00


Amount to be refunded: \$
charged: \$

- a. [X] A check in the amount of \$460.00 to cover the above fees is enclosed.
- b. [] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.
- d. [X] **THE UNDERSIGNED ATTORNEY OF RECORD STATES THAT SMALL ENTITY STATUS IS BEING CLAIMED. 37 CFR § 1.27(c)(2) as amended, 65 Fed. Reg. 54603, dated September 8, 2000.**

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

IN DUPLICATE

PLEASE DIRECT CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH THE FOLLOWING CUSTOMER NUMBER: 23474


Terryence F. Chapman
Registration Number: 32 549
TFC/smd

FLYNN, THIEL, BOUTELL & TANIS, P.C.
2026 Rambling Road
Kalamazoo, Michigan 49008-1631

PATENT APPLICATION

10/509903

Express Mail Label No.: EV 464 236 610 US

DT09 Rec'd PCT/PTO 29 SEP 2004

Date of Mailing: September 29, 2004

Applicant : Jiro KASAHARA

For : STEADY-STATE DETONATION COMBUSTOR AND
STEADY-STATE DETONATION WAVE GENERATING METHOD

PCT International Application No.: PCT/JP02/03921

PCT International Filing Date: April 19, 2002

Atty. Docket No.: Ace Case 11

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

EXPRESS MAILING CERTIFICATE

Sir:

I hereby certify that the attached paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FLYNN, THIEL, BOUTELL & TANIS, P.C.

By:



Date: September 29, 2004

Documents attached: Nationalized PCT Application
Transmittal dated September 29, 2004
including enclosures listed thereon

Telephone: (269) 381-1156

291.05/03

10/509903

PATENT APPLICATION

IN THE U.S. PATENT AND TRADEMARK OFFICE

PCT/PTO

September 29, 2004 29 SEP 2004

Applicant : Jiro KASAHARA
 Title : STEADY-STATE DETONATION COMBUSTOR AND
 STEADY-STATE DETONATION WAVE GENERATING METHOD
 Serial No.: Unknown Group: Unknown
 Confirmation No.: Unknown
 Filed : Unknown Examiner: Unknown
 International Application No.: PCT/JP02/03921
 International Filing Date : April 19, 2002
 Atty. Docket No.: Ace Case 11
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Herewith is an amendment in the above-identified application.

[] Applicant claims small entity status. See 37 CFR 1.27.

[] The additional filing fee has been calculated as shown below:

For	No. Filed	No. Extra	() LG Entity	RATE	(X) SM Entity	Fee
Basic Fee				\$770.00	\$385.00	\$
Total Claims	(17 - 20 = 0)		x \$ 18.00		x \$ 9.00	
Indep. Claims	(3 - 3 = 0)		x \$ 86.00		x \$ 43.00	
[] Multiple Dep. Claim			+ \$290.00		+ \$145.00	
* * * TOTAL FILING FEE * * *						\$ 0.00

[] Pursuant to 37 CFR 1.136(a), please extend the shortened period for response by month(s). The extension fee is: \$.

[X] A Check for \$460.00 is enclosed to cover fees.

[X] Please credit any overpayment, or charge any additional filing fee required under 37 CFR 1.16 or 1.17 by this communication, to Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.

IN DUPLICATE

TFC/smd


 Terry F. Chapman Reg. No. 32 549

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PATENT APPLICATION

IN THE U.S. PATENT AND TRADEMARK OFFICE

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* * * TOTAL FILING FEE * * *						\$ 0.00

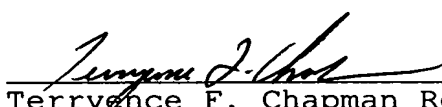
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